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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	10/734,327
Filing Date	December 12, 2003
First Named Inventor	Sweeney, Robert
Group Art Unit	3753 3744
Examiner Name	Ciric, Ljiljana

Sheet 1 of 3

Attorney Docket No: 279.188US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
AVC	US-3,828,768	08/13/1974	Douglas, D. W.	128	2.06 A	07/13/1972
	US-3,939,824	02/24/1976	Arneson, H. N., et al.	128	2.05 A	01/09/1975
	US-3,998,214	12/21/1976	Garrison, L. R.	128	2.06 A	05/19/1975
	US-4,000,461	12/28/1976	Barber, R. C., et al.	324	102	10/04/1973
	US-4,023,564	05/17/1977	Valiquette, Donley J., et al.	128	206A	01/26/1976
	US-4,336,810	06/29/1982	Anderson, D. L., et al.	128	702	09/30/1980
	US-4,583,553	04/22/1986	Shah, A. P., et al.	128	704	11/15/1983
	US-4,721,114	01/26/1988	DuFault, R. A., et al.	128	696	02/21/1986
	US-4,802,491	02/01/1989	Cohen, , et al.	600	509	
	US-4,809,697	03/07/1989	Causey III, J. D., et al.	128	419 PT	10/14/1987
	US-4,825,869	05/02/1989	Sasmor, L. , et al.	128	419 PT	09/28/1987
	US-4,838,278	06/13/1989	Wang, J. , et al.	128	697	02/26/1987
	US-4,884,345	12/05/1989	Long, R. J.	33	1 C	05/12/1988
	US-4,924,875	05/15/1990	Chamoun,	128	696	10/09/1987
	US-4,945,917	08/07/1990	Akselrod, S. , et al.	128	696	05/23/1988
	US-4,947,857	08/14/1990	Albert, et al.	128	696	02/01/1989
	US-4,989,610	02/05/1991	Patton, et al.	128	695	
	US-5,014,284	05/07/1991	Langer, A. A., et al.	375	30	06/30/1989
	US-5,014,698	05/14/1991	Cohen, T. J., et al.	128	419	10/02/1989
	US-5,020,540	06/04/1991	Cahmoun,	128	696	08/22/1989
	US-5,107,850	04/28/1992	Olive, A. L.	128	705	11/02/1990
	US-5,109,842	05/05/1992	Adinolfi, D. W.	128	419 D	09/24/1990
	US-5,156,148	10/20/1992	Cohen, Todd J.	128	419 PG	05/13/1991
	US-5,193,550	03/16/1993	Duffin,	129	697	11/30/1990
	US-5,240,009	08/31/1993	Williams, M. O.	128	702	03/25/1991
	US-5,247,021	09/21/1993	Fujisawa, H. , et al.	525	254	08/27/1992
	US-5,269,301	12/14/1993	Cohen, T. J.	607	6	10/19/1992
	US-5,271,411	12/21/1993	Ripley, K. L., et al.	128	702	09/10/1991
	US-5,275,621	01/04/1994	Mehra, R.	607	5	04/13/1992
	US-5,280,792	01/25/1994	Leong, P. H., et al.	128	702	09/18/1992
	US-5,292,341	03/08/1994	Snell, J. D.	607	30	03/02/1992
	US-5,311,874	05/17/1994	Baumann, L. S., et al.	128	705	05/18/1992
	US-5,330,504	07/19/1994	Somerville, W. M., et al.	607	5	05/03/1993
	US-5,350,406	09/27/1994	Nitzsche, R., et al.	607	14	12/22/1992
	US-5,360,436	11/01/1994	Alt, E. , et al.	607	18	04/03/1992
	US-5,366,487	11/22/1994	Adams, , et al.	607	5	11/04/1993
	US-5,411,529	05/02/1995	Hudrik, T. R.	607	6	09/13/1993

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Substitute Disclosure Statement Form (PTO-1449)

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Paper No. 20060825

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Application Number	10/734,327
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First Named Inventor	Sweeney, Robert
Group Art Unit	3753 3744
Examiner Name	Ciric, Ljiljana

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Attorney Docket No: 279.188US2

✓	US-5,417,221	05/23/1995	Sickler, R. L.	128	696	05/07/1993
	US-5,447,524	09/05/1995	Alt, E.	607	19	07/25/1994
	US-5,456,261	10/10/1995	Luczyk, W. J.	128	702	12/16/1993
	US-5,464,433	11/07/1995	White, , et al.	607	5	
	US-5,478,807	12/26/1995	Cronin, M. , et al.	514	12	06/23/1992
	US-5,503,159	04/02/1996	Burton,	128	703	03/17/1995
	US-5,513,644	05/07/1996	McClure, K. H., et al.	128	708	09/22/1994
	US-5,520,191	05/28/1996	Karlsson, P , et al.	128	702	10/07/1994
	US-5,549,654	08/27/1996	Powell, R. M.	607	32	04/15/1994
	US-5,560,369	10/01/1996	McClure, K. H., et al.	128	704	09/22/1994
	US-5,609,158	03/11/1997	Chan,	128	705	05/01/1995
	US-5,622,178	04/22/1997	Gilham, J. J.	128	696	05/04/1994
	US-5,628,326	05/13/1997	Arand, P. A., et al.	128	706	11/29/1995
	US-5,634,468	06/03/1997	Platt, H. L., et al.	128	696	04/02/1993
	US-5,645,070	07/08/1997	Turcott, R.	128	702	09/25/1995
	US-5,682,900	11/01/1997	Arand, , et al.			
	US-5,682,902	11/04/1997	Herleikson, E. C.	128	708	10/16/1995
	US-5,683,425	11/04/1997	Hauptmann, W.	607	9	12/12/1995
	US-5,685,315	11/11/1997	McClure, K. H., et al.	128	708	03/29/1996
	US-5,687,737	11/18/1997	Branham, B. H., et al.	128	710	10/31/1994
	US-5,704,365	01/06/1998	Albrecht, P. , et al.	128	702	11/14/1995
	US-5,712,801	01/27/1998	Turcott, R.	364	550	09/25/1995
	US-5,713,366	02/01/1998	Armstrong, , et al.			
	US-5,718,242	02/01/1998	McClure, , et al.	600	515	06/26/1996
	US-5,724,985	03/10/1998	Snell, J. D., et al.	128	697	08/02/1995
	US-5,730,142	03/24/1998	Sun, , et al.	128	705	03/21/1997
	US-5,738,104	04/14/1998	Lo, Thomas Y., et al.	128	706	11/08/1995
	US-5,738,105	04/14/1998	Kroll,	128	708	10/24/1995
	US-5,759,158	06/02/1998	Swanson, D. K.	600	508	08/19/1997
	US-5,772,604	06/30/1998	Langberg, , et al.	600	518	03/14/1997
	US-5,778,881	07/14/1998	Sun, W. , et al.	128	696	12/04/1996
	US-5,782,888	07/21/1998	Sun, Weimin , et al.	607	27	03/21/1997
	US-5,792,065	08/11/1998	Xue, Q. , et al.	600	516	03/18/1997
	US-5,795,303	08/18/1998	Swanson, D. K., et al.	600	509	09/02/1997
	US-5,797,399	08/25/1998	Morris, M. M., et al.	128	705	04/19/1996
	US-5,819,007	10/06/1998	Elghazzawi,	395	51	03/15/1996
	US-5,819,741	10/13/1998	Karlsson,			
	US-5,827,197	10/27/1998	Bocek, J. M., et al.	600	518	11/14/1997
	US-5,848,972	12/15/1998	Triedman, J. K., et al.	600	508	09/13/1996
	US-5,857,977	01/12/1999	Caswell, S. A., et al.	600	518	08/08/1996
✓	US-5,858,977	01/12/1999	Aukerman, S. L., et al.	514	12	10/12/1995
	US-5,868,680	02/09/1999	Steiner, P. R., et al.	600	518	09/23/1997

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ARC	US-5,935,082	08/10/1999	Albrecht, P., et al.	600	515	05/15/1997
	US-5,954,661	09/21/1999	Greenspon, A J., et al.	600	510	03/31/1997
	US-5,984,954	11/16/1999	Cohen, A. M.	607	521	10/01/1997
	US-6,161,037	12/12/2000	Cohen, A. M.	600	513	10/26/1999
	US-6,192,273	02/20/2001	Igel, D. A., et al.	607	14	12/02/1997
	US-6,430,435	08/06/2002	Hsu, William, et al.	600	518	11/20/2000
✓	US-Re. 35,148	01/23/1996	Lizzi, F. L., et al.	348	163	01/20/1995

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
ARC	DE-4405827	06/08/1995	von Bezold, D., et al.	A61B	5/0402	
	EP-0469817	02/05/1992	Larnard, Donald, J., et al	A61N	1/362	
	EP-0506230	09/30/1992	Williams, Michael O.	A61B	5/0464	
	EP-0776630	11/21/1996	William L Post,	A61B	5/0452	
	EP-0776631	11/21/1996	Arand, Patricia A., et al.	A61B	5/0452	
	EP-0848965	06/24/1998	Olson, T. S., et al.	A61N	1/37	
✓	WO97/39681	10/30/1997	Morris, Milton M., et al.	A61B	5/046	
	WO-98/53879	12/03/1998	Hsu, William, et al.	A61N	1/39	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ARC	—	AFONSO, V. X., et al., "ECG Beat Detection Using Filter Banks", <u>IEEE Transactions on Biomedical Engineering</u> , 46, (Feb., 1999), 192-202	—
ARC	—	AFONSO, V. X., et al., "Filter Bank-based ECG Beat Classification", <u>Proceedings of the 19th International Conference -- IEEE/EMBS, Chicago, IL, (Oct. 30-Nov. 2, 1997)</u> , 97-100	—
ARC	—	AFONSO, V. X., et al., "Filter Bank-based ECG Beat Detection", <u>Proceedings of the 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Amsterdam, The Netherlands, (1996)</u> , 1037-1038	—
ARC	—	AFONSO, V. X., et al., "Filter Bank-based Processing of the Stress ECG", <u>1995 IEEE-EMBC and CMBC -- Theme 4: Signal Processing, (1995)</u> , 887-888	—
ARC	—	AFONSO, V. X., et al., "Multirate Processing of the ECG using Filter Banks", <u>Computers in Cardiology, (1996)</u> , 245-248	—

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